UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/766,239	01/29/2004	Kang Soo Sco	1740-000069/US	2911

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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)
Office Action Summary	10/766,239	SEO ET AL.
	Examiner	**Art Unit**	
	Heather R. Jones	2621	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>06 November 2007</u>.

2a)☒ This action is **FINAL.**   2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1-6 and 8-45</u> is/are pending in the application.

　　4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>1-6 and 8-45</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on <u>29 January 2004</u> is/are: a)☒ accepted or b)☐ objected to by the Examiner.

　　Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

　　Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

　　a)☒ All　b)☐ Some * c)☐ None of:

　　　1.☒ Certified copies of the priority documents have been received.

　　　2.☐ Certified copies of the priority documents have been received in Application No. _____.

　　　3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

　　* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO/SB/08)
　　Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
　　Paper No(s)/Mail Date. _____.

5)☐ Notice of Informal Patent Application

6)☐ Other: _____.

U.S. Patent and Trademark Office

PTOL-326 (Rev. 08-06)　　　　　Office Action Summary　　　　　Part of Paper No./Mail Date 20080121

DETAILED ACTION

Response to Arguments

1.   Applicant's arguments filed November 6, 2007 have been fully considered but they are not persuasive.

The Applicant argues on page 13, line 18 – page 14, line 9 that Ando et al. discloses that the management information is included in the data area 112 of the disc and is not included in a separate navigation area. The Examiner respectfully disagrees in part. The Examiner agrees that the management information is stored in the data area 112 of the disc, but Ando et al. defines the data area 112 as an area in which a user can record information in medium 100 and has a format in which general computer information recording area 120 and audio/video related information recording area 121 can be present together (col. 5, lines 29-33). However, Ando et al. does disclose that the data area 112 has five separate recording areas: management information recording area 130, VR_movie object recording area 131, AR_still picture object recording area 132, AR_audio object recording area 133, and AR_real-time text object recording area 134. As can be seen from Fig. 1 the management information is stored separately from the video and audio data. Therefore, Ando et al. meets the claim limitations and the rejection is maintained.

The Applicant argues on page 14, lines 9-11 that Ando et al. fails to disclose two different entry point maps as recited in claim 1. The Examiner respectfully disagrees. Ando et al. discloses in Fig. 7, row (c) two different entry

point maps. One entry point map points to the audio required for the track and

the other entry point map points to the still pictures required for that track.

Furthermore, Fig. 7 of the Applicant's specification displays a similar entry point

map and discloses that the two different entry point maps may be unified into one

and may be managed as one single entry point map, but does not disclose that

the entry point map has to be managed as one single entry point map.

Therefore, by comparing the entry point map disclosed by Ando et al. and the

Applicant's entry point map disclosed in Fig. 7 it is disclosed that two different

entry point maps exists (one for audio and one for the still images) even though

they are unified into one entry point map for that embodiment. Therefore, Ando

et al. meets the claim limitations and the rejection is maintained.

Claim Rejections - 35 USC § 102

2.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3.   Claims 1-6 and 8-45 are rejected under 35 U.S.C. 102(e) as being anticipated by

Ando et al. (U.S. Patent 7,054,545).

Recording claim **1**, Ando et al. discloses a computer-readable medium

having a data structure for managing reproduction of still pictures, comprising: a

navigation area storing at least one playlist (col. 11, lines 12-15), a first entry

point map and a second entry point map (Fig. 7; col. 8, lines 46-56), the playlist

including at least one playitem and at least one sub-playitem, the playitem

providing navigation information for reproducing at least one still picture from a

first file, the sub-playitem providing navigation information for reproducing audio

data from a second file (Figs. 7 and 8; col. 11, lines 31-35; col. 15, lines 34-36),

the first entry point map including at least one entry point pointing to the still

picture, and the second entry point map including at least one entry point pointing

to the audio data (Figs. 7, 8, and 10); and a data area storing the first and second

files, the data area being separate from the navigation area (Fig. 7).

Regarding claim **2**, Ando et al. discloses all the limitations as previously

discussed with respect to claim 1 including that the entry point of the first entry

point map provides an address of the still picture (Fig. 7 – row (c)).

Regarding claim **3**, Ando et al. discloses all the limitations as previously

discussed with respect to claim 1 including that the playitem provides navigation

information for reproducing a plurality of still pictures; and the first entry point

map includes an entry point, associated with each still picture, that points to the

associated still picture (Fig. 7 – row (c); col. 11, lines 12-15).

Regarding claim **4**, Ando et al. discloses all the limitations as previously

discussed with respect to claims 1 and 3 including that the second entry point

map includes a plurality of entry points, each entry point pointing to a point in the audio data (Fig. 7 – row (e)).

Regarding claim **5**, Ando et al. discloses all the limitations as previously discussed with respect to claims 1, 3, and 4 including that the first clip file includes the plurality of still pictures, and the second clip file includes the audio data (Fig. 7; col. 5, lines 29-33).

Regarding claim **6**, Ando et al. discloses all the limitations as previously discussed with respect to claim 1 including that the second entry point map includes a plurality of entry points, each entry point pointing to a point in the audio data (Fig. 7 – row (e)).

Regarding claim **8**, Ando et al. discloses all the limitations as previously discussed with respect to claim 1 including that the playitem provides navigation information for reproducing presentation data from the first file, the presentation data includes at least the still picture and related data associated with the still picture (Figs. 1 and 11).

Regarding claim **9**, Ando et al. discloses all the limitations as previously discussed with respect to claims 1 and 8 including that the related data includes graphics data (Figs. 6A and 6B).

Regarding claim **10**, Ando et al. discloses all the limitations as previously discussed with respect to claims 1 and 8 including that the related data includes subtitle data (Figs. 6A and 6B).

Regarding claim **11**, Ando et al. discloses all the limitations as previously discussed with respect to claims 1 and 8 including that the presentation data is divided into one or more still picture units such that each still picture unit includes at least one still picture and associated related data (Figs. 1 and 11).

Regarding claim **12**, Ando et al. discloses all the limitations as previously discussed with respect to claims 1, 8, and 11 including that the presentation data is multiplexed into a transport stream on a still picture unit by still picture unit basis (col. 19, lines 16-18 – when the presentation data is reproduced the data has to be demultiplexed, therefore the data is originally multiplexed).

Regarding claim **13**, Ando et al. discloses all the limitations as previously discussed with respect to claims 1, 8, 11, and 12 including that each elementary stream of the presentation data are aligned within the still picture unit (Figs. 1, 32, and 36; col. 33, lines 41-52 – elementary streams are included in MPEG).

Regarding claim **14**, Ando et al. discloses all the limitations as previously discussed with respect to claims 1, 8, and 11-13 including that each elementary stream is a packetized elementary stream (Figs. 1, 32, and 36; col. 33, lines 41-52 – elementary streams are included in MPEG).

Regarding claim **15**, Ando et al. discloses all the limitations as previously discussed with respect to claims 1, 8, and 11-14 including that each still picture unit includes one packet from each packetized elementary stream (Figs. 1, 32, and 36; col. 33, lines 41-52 – elementary streams are included in MPEG).

Regarding claim **16**, Ando et al. discloses all the limitations as previously

discussed with respect to claim 1 including that the first file does not include

audio data (Fig. 1 – image, audio, and text files are stored separately).

Regarding claim **17**, Ando et al. discloses a computer-readable medium

having a data structure for managing reproduction of still pictures, comprising: a

navigation area storing at least one playlist (col. 11, lines 12-15), a first entry

point map and a second entry point map (Fig. 7; col. 8, lines 46-56), the playlist

including at least one playitem and at least one sub-playitem, the playitem

providing navigation information for reproducing at least one still picture from a

first data stream, the sub-playitem providing navigation information for

reproducing an audio stream from a second data stream separate from the first

data stream (Figs. 7, 8, and 10; col. 11, lines 31-35; col. 15, lines 34-36), the first

entry point map including at least one entry point pointing to the still picture, and

the second entry point map including at least one entry point pointing to the audio

stream (Figs. 7, 8, and 10); and a data area storing data from the first data

stream and the second data stream, the data area stored separate from the

navigation area (Fig. 7).

Regarding claim **18**, Ando et al. discloses a method of recording a data

structure for managing reproduction of at least one still image on a recording

medium, comprising: recording at least one first file and at least one second fie in

a data area of the recording medium (Fig. 7), recording at least one playlist in a

navigation area (col. 11, lines 12-15), a first entry point map and a second entry

point map on the recording medium in a navigation area (Fig. 7, col. 8, lines 46-

56), the playlist including at least one playitem and at least one sub-playitem, the

playitem providing navigation information for reproducing at least one still picture

from the first file, the sub-playitem providing navigation information for

reproducing audio data from the second file (Figs. 7, 8, and 10; col. 11, lines 31-

35; col. 15, lines 34-36), the first entry point map including at least one entry

point pointing to the still picture, and the second entry point map including at

least one entry point pointing to the audio data (Figs. 7, 8, and 10), wherein the

data area is separate from the navigation area (Fig. 7).

Regarding claim **19**, Ando et al. discloses a method of reproducing a data

structure for managing reproduction of at least one still image recorded on a

recording medium, comprising: reproducing at least one first file and at least one

second file in a data area of the recording medium (Fig. 7), reproducing at least

one playlist in a navigation area (col. 11, lines 12-15), a first entry point map and

a second entry point map from the recording medium in a navigation area (Fig. 7;

col. 8, lines 46-56), the playlist including at least one playitem and at least one

sub-playitem, the playitem providing navigation information for reproducing at

least one still picture from the first file, the sub-playitem providing navigation

information for reproducing audio data from the second file (Figs. 7, 8, and 10;

col. 11, lines 31-35; col. 15, lines 34-36), the first entry point map including at

least one entry point pointing to the still picture, and the second entry point map

including at least one entry point pointing to the audio data (Figs. 7, 8, and 10),

wherein the data area is separate from the navigation area (Fig. 7).

Regarding claim **20**, Ando et al. discloses in Fig. 14 an apparatus for

recording a data structure for managing reproduction of at least one still image

on a recording medium, comprising: an optical recording device configured to

record data on the recording medium; a controller configured to record first and

second files in a data area of the recording medium at least one playlist in a

navigation area (Fig. 7; col. 11, lines 12-15), a first entry point map and a second

entry point map in a navigation area on the recording medium (Fig. 7; col. 7, lines

46-56), the playlist including at least one playitem and at least one sub-playitem,

the playitem providing navigation information for reproducing at least one still

picture from the first file, the sub-playitem providing navigation information for

reproducing audio data from the second file (Figs. 7, 8, and 10; col. 11, lines 31-

35; col. 15, lines 34-36), the first entry point map including at least one entry

point pointing to the still picture, and the second entry point map including at

least one entry point pointing to the audio data (Figs. 7, 8, and 10), wherein the

data area is separate from the navigation area on the recording medium (Fig. 7 -

row (c)).

Regarding claim **21**, Ando et al. discloses in Fig. 14 an apparatus for

reproducing a data structure for managing reproduction of at least one still image

recorded on a recording medium, comprising: an optical reproducing device

configured to reproduce data recorded on the recording medium; a controller

configured to control the optical reproducing device to reproduce first and second files in a data area on the recording medium and at least one playlist in a navigation area (col. 11, lines 12-15), a first entry point map and a second entry point map in a navigation area from the recording medium (Fig. 7; col. 8, lines 46-56), the playlist including at least one playitem and at least one sub-playitem, the playitem providing navigation information for reproducing at least one still picture from the first file, the sub-playitem providing navigation information for reproducing audio data from the second file (Figs. 7, 8, and 10; col. 11, lines 31-35; col. 15, lines 34-36), the first entry point map including at least one entry point pointing to the still picture, and the second entry point map including at least one entry point pointing to the audio data (Figs. 7, 8, and 10), wherein the data area is separate from the navigation area on the recording medium (Fig. 7 - row (c)).

Regarding claims **22-27**, grounds for rejecting claims 8-13 applies for claims 22-27 respectively in their entireties.

Regarding claims **28-33**, grounds for rejecting claims 8-13 applies for claims 28-33 respectively in their entireties.

Regarding claims **34-39**, grounds for rejecting claims 8-13 applies for claims 34-39 respectively in their entireties.

Regarding claims **40-45**, grounds for rejecting claims 8-13 applies for claims 40-45 respectively in their entireties.

Conclusion

4.   **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time

policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within

TWO MONTHS of the mailing date of this final action and the advisory action is not

mailed until after the end of the THREE-MONTH shortened statutory period, then the

shortened statutory period will expire on the date the advisory action is mailed, and any

extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later

than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Heather R. Jones whose telephone number is 571-272-

7368. The examiner can normally be reached on Mon. - Thurs.: 7:00 am - 4:30 pm, and

every other Fri.: 7:00 am - 3:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, John Miller can be reached on 571-272-7353. The fax phone number for

the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

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USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Heather R Jones
Examiner
Art Unit 2621

HRJ
January 20, 2008

JOHN MILLER
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600